

1AP7 Rec'd PCT/PTO 27 JUN 2006

034225.002

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Hee-Woo RHEE, et al.  
Serial No.: 10/564,556 Group Art Unit: To Be Assigned  
Filed : January 13, 2006 Examiner: To Be Assigned  
For : HIGH TEMPERATURE PROTON EXCHANGE MEMBRANE USING  
IONOMER/SOLID PROTON CONDUCTOR, PREPARATION METHOD  
THEREOF AND FUEL CELL CONTAINING THE SAME

**RESPONSE TO NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 USC 371**  
**IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/E0/US)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Responsive to the Notification of Missing Requirements Under 35 U.S.C. 371, mailed May 2, 2006, Applicants file herewith the following documents relating to the above-identified application:

- \* A copy of the Notification of Missing Requirements;
- \* Executed Declaration (3 pages);
- \* Assignment Recordation Cover Sheet and Executed Assignment (2 pages);
- \* Power of Attorney and Correspondence Address Indication Form;
- \* Check for \$285 to cover the surcharge fee (\$65), assignment recordation (\$40), multiple dependent claim (\$180).

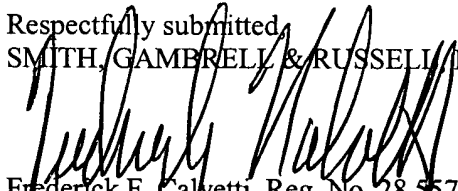
If any additional fees are due in connection with this filing, such as fees under 37 C.F.R. §§ 1.16 or 1.17, the Commissioner is authorized to charge the fees to SGR Deposit Account No. 02-4300. Similarly, please credit any overpayment to SGR Deposit Account No. 02-4300.

06/30/2006 LLANDGRA 00000016 10564556

01 FC:2617 65.00 OP  
02 FC:2616 180.00 OP

Respectfully submitted,  
SMITH, GAMBRELL & RUSSELL, LLP

By:

  
Frederick F. Calvetti, Reg. No. 28,557  
1850 M Street, N.W., Suite 800  
Washington, D.C. 20036  
Telephone: (202) 263-4300  
Facsimile: (202) 263-4329

Date: June 27, 2006

Effective on 12/08/2004.  
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

# FEE TRANSMITTAL for FY 2005

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT \$285.00

## Complete if Known

Application Number 10/564,556  
Filing Date January 13, 2006  
First Named Inventor Hee-Woo RHEE  
Examiner Name Not Yet Assigned  
Art Unit Not Yet Assigned  
Attorney Docket No. 034225.002

## METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify) : \_\_\_\_\_

☒ Deposit Account Deposit Account Number: 02-4300 Deposit Account Name: Smith, Gambrell & Russell, LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below,

☒ Charge any additional fee(s) or underpayments of fee(s) ☐ Credit any overpayments

Under 37 CFR 1.16 and 1.17

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

## FEE CALCULATION

### 1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee(\$)	Fee(\$)	Small Entity Fee(\$)	Fee(\$)	Small Entity Fee(\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

### 2. EXCESS CLAIM FEES

#### Fee Description

Each claim over 20 (including Reissues)

Fee (\$)  
50

Each independent claim over 3 (including Reissues)

Fee (\$)  
25

Multiple dependent claims

Fee (\$)  
100

#### Total Claims

20-20 or HP=

#### Extra Claims

0

#### Fee(\$)

\$50

#### Fee Paid (\$)

0

HP = highest number of total claims paid for, if greater than 20.

#### Indep. Claims

2- 3 or HP=

#### Extra Claims

0

#### Fee(\$)

\$200

#### Fee Paid (\$)

0

HP = highest number of independent claims paid for, if greater than 3.

#### Multiple Dependent Claims

Fee (\$)

\$360

#### Fee Paid (\$)

\$180

### 3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
- 100 =	0 / 50 =	0 (round up to a whole number) x		= 0

### 4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): Late Filing Surcharge

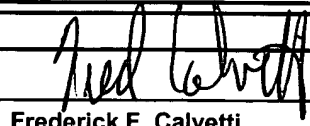
\$ 65

Assignment Recordation Fee

\$ 40

## SUBMITTED BY

Signature



Registration No.  
(Attorney/Agent)

28,557

Telephone

202 263 4300

Name (Print/Type)

Frederick F. Calvetti

Date

June 27, 2006



UNITED STATES PATENT AND TRADEMARK OFFICE

*Missing Parts due 7/6/2006*

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

U.S. APPLICATION NUMBER NO.

10/564,556

FIRST NAMED APPLICANT

Hee-Woo Rhee

ATTY. DOCKET NO.

034225.002

INTERNATIONAL APPLICATION NO.

PCT/KR03/02571

I.A. FILING DATE

11/26/2003

PRIORITY DATE

07/14/2003

00441

SMITH, GAMBRELL & RUSSELL, LLP  
1850 M STREET, N.W., SUITE 800  
WASHINGTON, DC 20036

CONFIRMATION NO. 1862

371 FORMALITIES LETTER



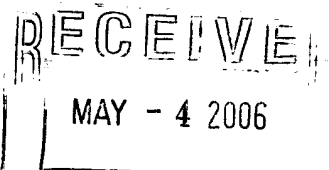
\*OC000000018652186\*

Date Mailed: 05/02/2006

### NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Indication of Small Entity Status
- Copy of the International Application filed on 01/13/2006
- Copy of the International Search Report filed on 01/13/2006
- Copy of IPE Report filed on 01/13/2006
- Information Disclosure Statements filed on 01/13/2006
- Oath or Declaration filed on 01/13/2006
- Small Entity Statement filed on 01/13/2006
- Request for Immediate Examination filed on 01/13/2006
- U.S. Basic National Fees filed on 01/13/2006
- Priority Documents filed on 01/13/2006
- Specification filed on 01/13/2006
- Claims filed on 01/13/2006
- Abstracts filed on 01/13/2006
- Drawings filed on 01/13/2006



The applicant needs to satisfy supplemental fees problems indicated below.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Additional claim fees of \$180 as a small entity, including any required multiple dependent claim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are due.
- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application

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by the International application number and international filing date. The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) in that it:

- is not executed in accordance with either 37 CFR 1.66 or 37 CFR 1.68.
- To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.492(h) of \$65 for a small entity in compliance with 37 CFR 1.27, must be submitted with the missing items identified in this letter.

#### SUMMARY OF FEES DUE:

Total additional fees required for this application is **\$245** for a Small Entity:

- **\$65 Surcharge.**
- Total additional claim fee(s) for this application is **\$ 180**
  - **\$180** for multiple dependent claim surcharge.

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

WINSTON M ALVARADO

Telephone: (703) 308-9140 EXT 206

#### PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/564,556	PCT/KR03/02571	034225.002